

Methods, Tools and Data Integrating Discussion

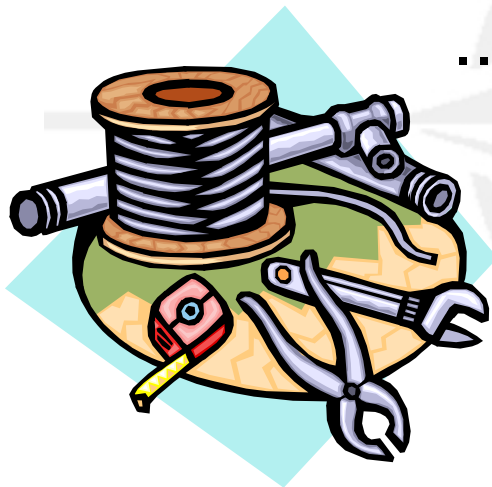
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Models, Tools & Data

- ...come in many forms
- ...have multiple uses
- ...may not fit your problem exactly
- ...are means to an end
- ...not ends themselves



Review Points

- Tools may be used in problem formulation, as well as in problem solution
- Tools include methods of thought, as well as computer programs
- The model describes what things are connected and how they are connected
- A tool may allow you to build a model or it may implement a model in a usable way

Review Points

- Try to use the right tool for a given purpose; but, if you have to use a hammer to drive a screw, understand and document the misfit.
- Complex problems usually require linkages of tools. Document the linkages.
- C2 problems are usually complex.
- OOTW problems are usually complex.
- Implies...

Review Points

- C2 + OOTW problems normally require consideration of human issues...check models, tools & data for applicability
- Deterministic tools yield a point estimate. This is fine where there is no uncertainty in the data, the methodology, or the problem. Otherwise, some method for estimating the variability of results is required.

Integrating Discussion on “Methods, Tools and Data”

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